

ENER · G





Mission statement

ENER·G Group companies deliver clean, sustainable and energy efficient technologies.

ENER·G leads the way in developing and implementing these technologies for the public and private sector in the global market place.

ENER·G enables its clients to implement environmentally sound projects that deliver both operational and financial benefits.



Core business activities

ENER·G is a leading international provider of solutions designed to deliver:

- Combined Heat & Power (co-generation)
 - Renewable Generation
 - Energy Management
 - Energy from Waste



Generating capacity

Combined Heat and Power

ENER·G Combined Power

Installed	101 MW
Contract	8 MW

Nedalo ENER·G

Installed	67 MW
Contracted	6 MW

Total CHP 182 MW

Renewable Energy/ ACT

ENER·G Natural Power

Installed	58 MW
Contract	20 MW

Contract Heat & Power

Installed	2 MW
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Hera ENER·G

Installed	7 MW
Contracted	1 MW

ENER·G Polska

Installed	2 MW
Contracted	10 MW

Total 100 MW

Total Group Generating Capacity

282 MW

(31 December 2005)



Vital statistics

- **Turnover 2003/4** **£26.6M**
 - **Forecast 04/05** **£35M**

 - **EBITDA 2003/4** **£9.5M**
 - **Forecast 04/05** **£11M**

 - **PBIT 2003/4** **£5.6M**
 - **Forecast 04/05** **£7M**

 - **Average growth** **25%/PA**

 - **Employees** **228**
- UK based
 - Subsidiaries
 - Holland
 - Norway
 - Poland
 - JV and other associations
 - Republic of Ireland
 - Spain
 - Operate worldwide



Our customers





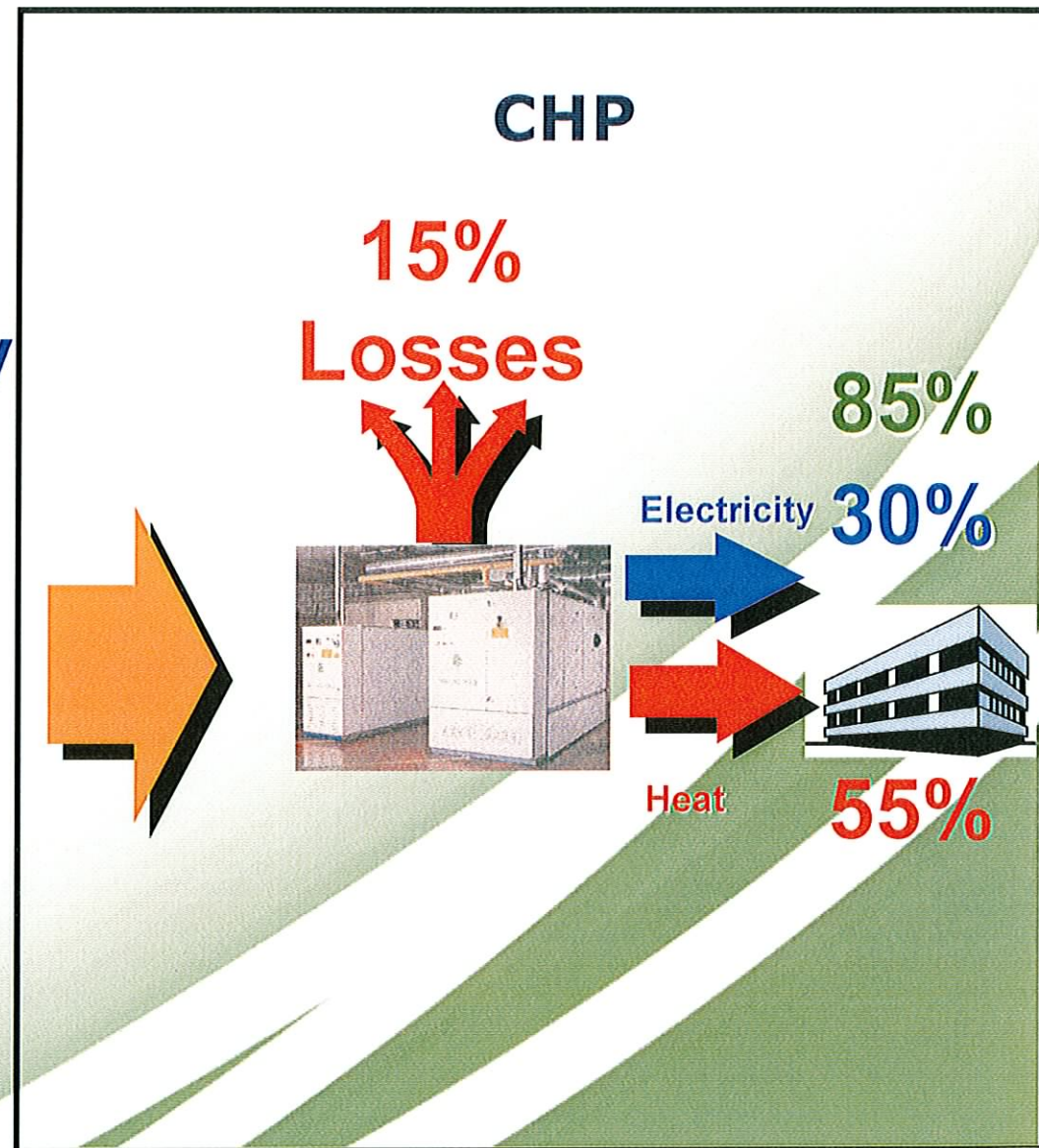
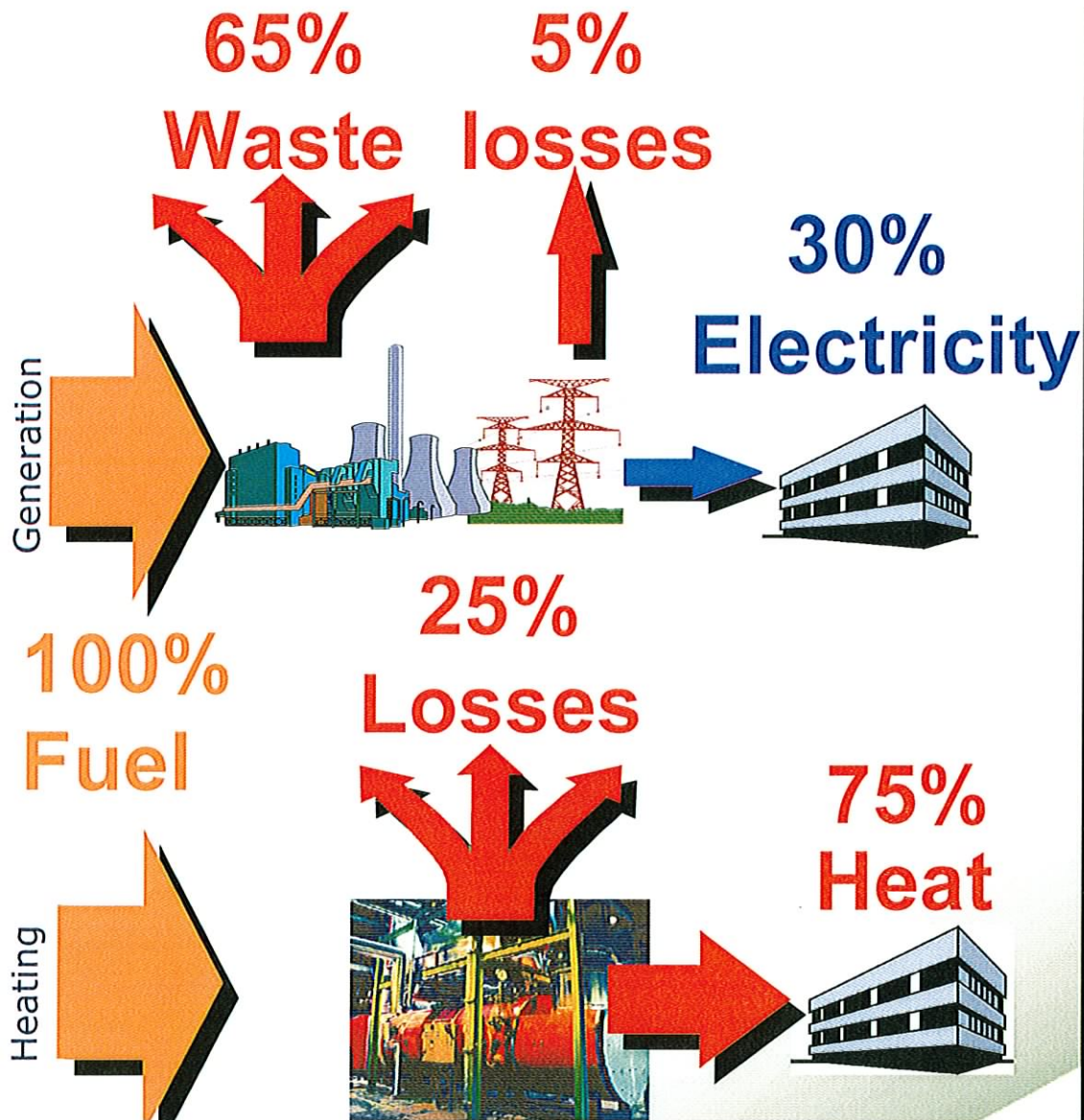
Combined Heat & Power

- Over 20 years experience
- Patented technology
- UK's number 1 – small scale CHP provided c.46% market share
- European leader
- Over 1200 units





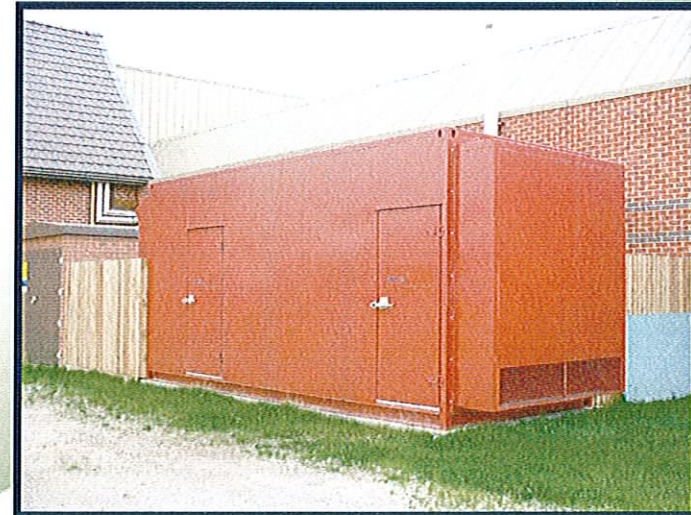
CHP technology





Combined Heat & Power

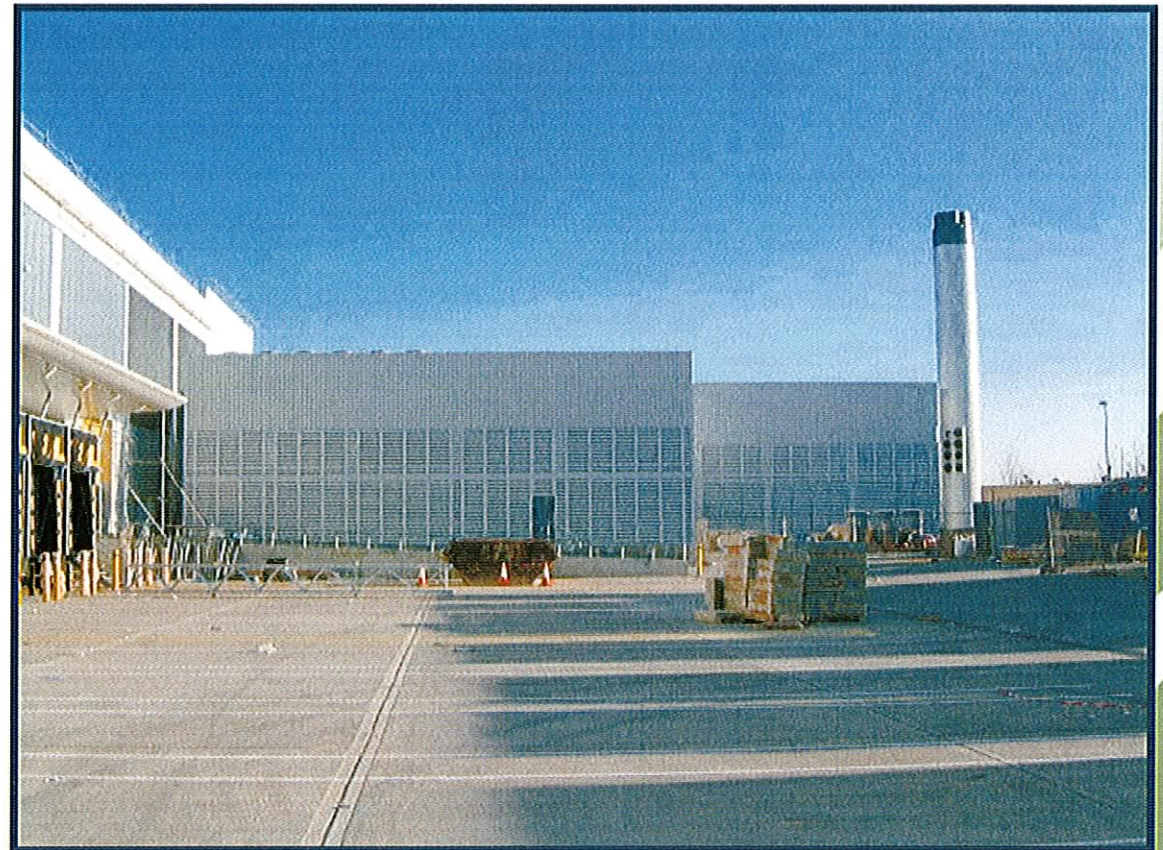
- CHP / Cogeneration units from 60kWe to 2MWe fuelled by either Natural Gas, Diesel, Propane or Biogas
- Tri-generation - Combined Heat and Absorption Chilling
- Standby Generation
- All Units are provided with
 - Proven Industrial Gas Engines
- Dedicated & ongoing development
- Available for purchase or on a Discount Energy Purchase (DEP) scheme





Royal Mail Project WAND

- 3 x 1MWe CHP
- 1 x 1.8MWe Diesel Standby
- 3 x 1.2MW Vapour Compression Screw Chillers
- 2 x 700 kW Absorption Chillers
- 2 x 800 kW Boilers





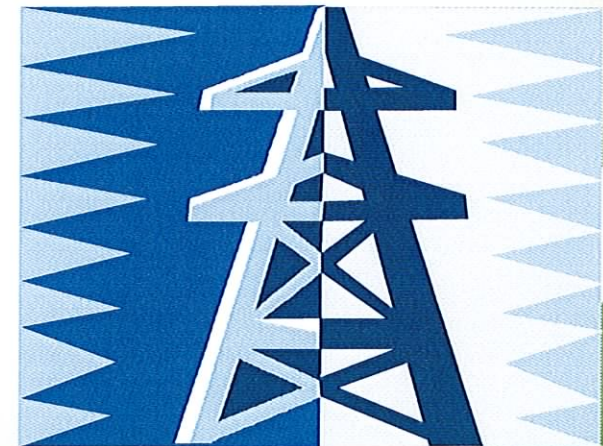
Applications & customers

- Hospitals
- Leisure Centres
- Hotels
- Sewage Treatment Works
- District Heating
- Military Facilities
- Educational Establishments
- Industrial and Commercial sites
- Buckingham Palace
- Whitbread plc
- Intercontinental Hotels
- Thames Water
- Severn Trent Water
- DVLA
- Royal Mail
- OFGEM
- Greenwich Millennium Village



Renewable Generation

- 15 years experience
- A leading independent operator
- Generation from Landfill Gas
- Design, build, operate & own
- 10% Market Share (UK)
- Global operations
 - Hera ENER·G – 7.6MW
 - ENER·G POLSKA – 1.6MW +





Typical Site





Applications & customers

- Landfill Gas
- Coal Mine Methane
- Anaerobic Digestion
- SITA
- WRG
- Cory Environmental
- Biffa
- Viridor
- Local Authorities across the UK
- Local Waste Management
 - Yorwaste
 - Premier Waste
 - Cumbria Waste



Energy Management

- Most recent expansion
- Unique energy savings agreement
- Innovative state-of-the-art technology
- All IP owned by ENER·G
- Proven track record
- Strong market position
- UK only at present





Web Enabled Building Energy Management Systems

- Savings c.40%
- Paid for out of savings achieved
- Fully inclusive
- Automated monthly reporting
- Full energy management
- Internet based solutions
- Ongoing development

The screenshot shows the "smartControls InSite EnerG House" software interface. The window title is "smartControls InSite EnerG House" and the date is "05/03/2003". The interface includes a menu bar (Document, View, Options, Tools, User, Help) and a toolbar with icons for Configs, Sensors, Status, Knobs, Switches, Alarms, and a search function. A "Registration Structure" tree is visible on the left, with "[Z5] EE Office Gnd Floor" selected. The main area displays a table of system parameters:

Item No	Label	Stored Value	Units
C1	Sensor Action	0	
C2	Sensor Calibration	0.0	degC
C3	Midpoint of Setpoint Adjustment	22	degC
C4	Setpoint Adjustment Range	10.0	degC
C5	Setpoint Deadband	3	degC
C6	Standby Deadband	2.0	degC
C7	Slave Mode	3	
C8		0	
C9	Hours Extension when Override pressed	1.0	hours
C10	Display Temperatures in degF	0	
C11	Fabric/Frost Rise	0.0	degC
C12	Immediate Setpoint Knob Adjustment Range	2.0	degC
C13	Update Default Setpoint	0	
C14	Alarm Mode	0	
C15	Alarm State	0	
C16	Monitor Alarms	0	
C17	Manual Level	0	
C18	Heat Source	0	
C19	Cool Source	0	
C20	Occupation Destination	0	
C21	Heating Demand sent as CT	0	
C22	Cooling Demand sent as CT	0	
C23	Force Issue 3 compatibility	0	
C24		0	

The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Microsoft Out..., Microsoft PowerPoint..., InSite), and the system clock showing 11:24 on 05/03/2003.



Applications & customers

- Industrial sites
 - Factories
 - Warehousing
 - Public sector
 - Schools
 - Sports & Leisure
 - Multi-outlet retail
- Iveco Ford
 - Corus
 - Kraft Foods
 - Bacardi-Martini
 - JCB
 - ITT Electronics
 - Sharp Electronics
 - Thyssen Krupp
 - Lear Corporation



Energy from Waste

- Over 17 years of collective experience and offering:
- Gasification through ENERGOS Energy from Waste plants.
- Pyrolysis through Waste Gas Technology – for small scale high value waste streams
- Patented & proven technology
- UK & European operations





Energos AS

- In 2002 ENER-G Plc commissioned Juniper Consultants to provide a detailed report on the commercial and technical status of the gasification and pyrolysis technologies being employed in the treatment of MSW
- The report highlighted the advanced state of the ENERGOS technology and ENER-G plc had been "tracking" ENERGOS with a view to investing in the company as a minority shareholder



Energos AS

- In June 2004 the opportunity arose for ENER-G plc to acquire the business and IP of ENERGOS
- ENERGOS is now a wholly owned subsidiary of ENER-G plc with all the technical staff being retained at their office in Trondheim, Norway
- ENERGOS currently owns 100% of the Ranheim demonstration plant at Trondheim and 48% of the operating plant at Averøy.





ENERGOS AS



Leading the way in small scale advanced Energy from Waste technology

